

# MAGNUS STEEL FIBREGLASS

## DESCRIPTION

Magnus Steel's Fibreglass Grating is manufactured in an open, heated mold system. Continuous rovings are placed in the mold in alternating layers and completely wetted out with resin and hot curing.

There are a number of molds available resulting in an extensive range of thicknesses, mesh patterns and panel sizes.

## INDUSTRIES

Chemical | Electronic Industry | Food & Beverage | Marine | Oil & Gas | Power | Industry | Buildings | Construction Engineering | Pharmaceuticals | Pulp & Paper | Recreation | Water & Waste Treatment | Shipping | Transportation | Architectural | Telecommunications | Textile Printing and Dyeing

## FUNCTIONS

Anti - Slip Flooring and Stair treads | Trench Covers and Platforms | Security and Safety Fencing | Fencing | Decking | Non-conductive and Non-Magnetic | Swimming Pool Overflow

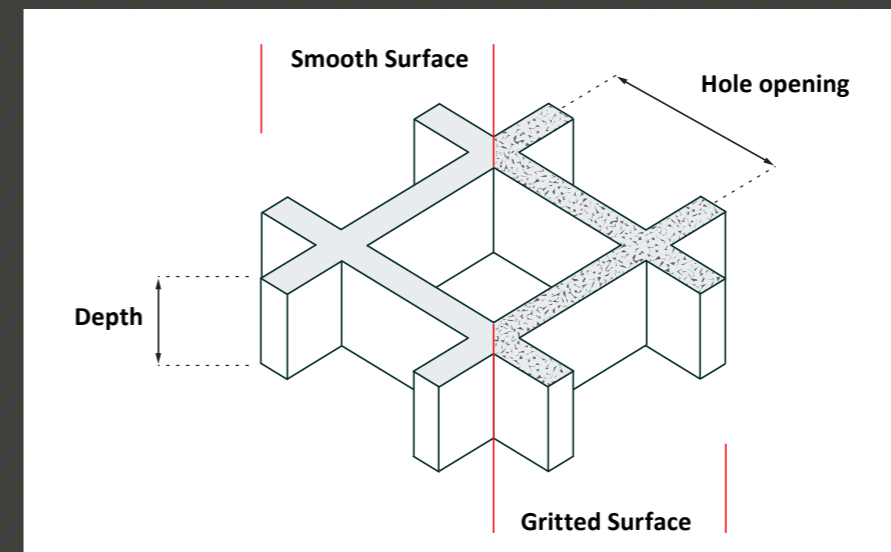
## ADVANTAGES

Anti-Fire | Anti-Corrosion | Chemical Resistant | Anti-Slippery | Light Weight | High Loading Capacity | Long Service Life | Non-Conductive or Magnetic | Easy Installation | Cut to Size division available with quick turn-around time

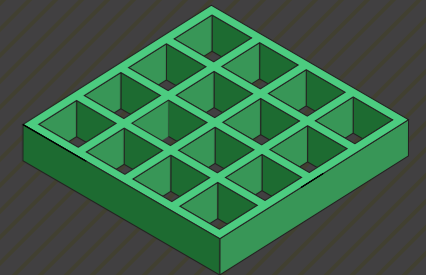
## SPECIFICATIONS

Magnus Steel (PTY) Ltd carries a large quantity of stock of Fibreglass Grating and is able to provide its customers with the following dimensions and sizes in both **Isophalic Polyester - GREEN** and **Vinyl Ester - ORANGE**

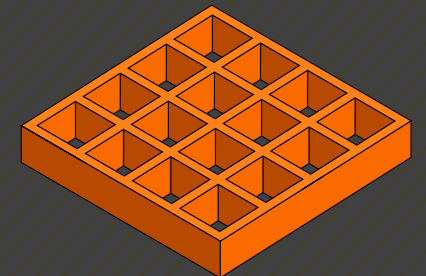
### MAGNUS STEEL FIBREGLASS GRATING



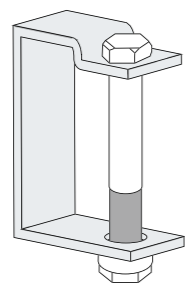
ISOPHALIC POLYESTER



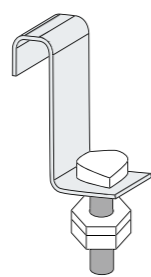
VINYL ESTER



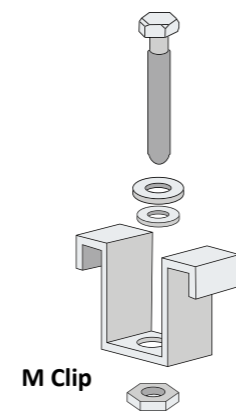
### MAGNUS STEEL FIBREGLASS GRATING FASTENING CLIPS



C Clip



S Clip



M Clip

LEGEND	PANEL SIZES	WEIGHT (KG / PANEL)	
38 X 38 X 25MM	2440 X 1220	36.61	
	3660 X 1220	54.92	
38 X 38 X 30MM	2440 X 1220	43.46	
	3660 X 1220	65.19	
38 X 38 X 38MM	2440 X 1220	58.05	
	3660 X 1220	87.07	

Other Fibreglass Grating dimensions and sizes are available on request.

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## MAGNUS FIBREGLASS GRATING CHEMICAL RESISTANCE CHART

CHEMICAL	MAX. OPER. TEMP		
	% CONC.	TYPE 'VINYL' ORANGE	TYPE 'ISO' GREEN
Acetone	100	124	N/R
Alum	ALL	82	65
Aluminium chloride	ALL	82	65
Ammonium salt	ALL	24	N/R
Ammonium hydroxide	30	24	N/R
Black sewage	ALL	82	N/R
Bleaching liquid	ALL	82	N/R
Calcium hydroxide	25	82	65
Calcium hypo chloride	25	82	65
Chlorine water	SAT	49	N/R
Chloroform	100	N/R	N/R
Citric acid	ALL	49	N/R
Coptic oxide	ALL	52	52
Ferric chloride	100	82	65
Fuel	ALL	38	38
Glycol	100	82	65
Hydrochloric acid	30	82	65
Hydrofluoric acid	10	24	N/R
Hypochlorous acid	SAT	60	N/R
Lactic acid	100	82	65

Mercuric chloride	100	82	65
Nantokite	ALL	82	65
Nitric acid	35	38	N/R
Ozone	ALL	38	38
Phenols	10	24	N/R
Potassium hydroxide	10	49	N/R
Silver nitrate	100	82	65
Sodium hydroxide	10	82	N/R
Sodium phosphate	50	82	N/R
Sodium salt	ALL	24	N/R
Sulfur dioxide	SAT	82	65
Sulfuric acid	25	82	65
Water	100	82	65
Zinc chloride	ALL	24	24

ALL – concentrations SAT - saturated solution N/R - not recommended

### MAGNUS STEEL IS CONCERNED ABOUT THE ENVIRONMENT

- ▲ Magnus Fibreglass Grating has low embodied energy and is static-free.
- ▲ Magnus Fibreglass Grating is a brilliant insulator against heat and cold.
- ▲ Magnus Fibreglass Grating helps to conserve energy which would help in reducing operating costs.
- ▲ Magnus Fibreglass Grating is an extremely durable material with a long life cycle, reducing replacement costs and keeping more materials out of the landfill.
- ▲ Magnus Fibreglass Grating experiences low electrical conductivity making it perfect for industries where electricity could pose a risk.